

## ABSTRACT

An automated optimization system for generating training plans for airline pilots covering  
5 both pilot transitions and assignment to training classes for pilots who have received a system bid  
award, wherein such training plans are generated in less than one hour by first solving a MIP Model  
of the training/transition problem with an LP relaxation to determine a first level of feasibility, and  
then solving the MIP Model for an optimized feasible solution from which the training plan is  
derived.

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